


PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 7100034.WO9		FOR FURTHER ACTION		See Form PCT/PEA/416
International application No. PCT/AT2004/000305		International filing date (day/month/year) 26.05.2004		Priority date (day/month/year) 23.06.2003
International Patent Classification (IPC) or national classification and IPC B23D79/02, B21C37/08				
Applicant OTO MILLS, S.P.A. et al.				
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 5 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> sent to the applicant and to the International Bureau a total of sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>				
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the opinion</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input checked="" type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>				
Date of submission of the demand 23.12.2004		Date of completion of this report 30.06.2005		
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465		Authorized Officer Telephone No. +49 89 2399- 7237 U. FRISCH		



**INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY**

International application No.
PCT/IT2004/000305

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:

- ☐ international search (under Rules 12.3 and 23.1(b))
- ☐ publication of the international application (under Rule 12.4)
- ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the **elements*** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

Description, Pages

1-5 as originally filed

Claims, Numbers

1-8 as originally filed

Drawings, Sheets

1/2, 2/2 as originally filed

☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to sequence listing (*specify*):

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to sequence listing (*specify*):

* If item 4 applies, some or all of these sheets may be marked "superseded."

**INTERNATIONAL PRELIMINARY REPORT
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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	2-8
	No: Claims	1
Inventive step (IS)	Yes: Claims	2-8
	No: Claims	1
Industrial applicability (IA)	Yes: Claims	1-8
	No: Claims	

2. Citations and explanations (Rule 70.7):

see separate sheet

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

Re Item V.

- 1 The following documents are referred to in this communication:

D1 : US 5 192 013 A (ABBEY III NELSON D ET AL) 9 March 1993 (1993-03-09)

D2 : US 2 959 842 A (MEYERS RICHARD A) 15 November 1960 (1960-11-15)

2 INDEPENDENT CLAIM 1

- 2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

Document D1 discloses (the references in parenthesis applying to this document):

A bead trimmer with a tool extraction system (Fig. 1,3,4), preferably used in a production line of elements (11) bearing longitudinal weld beads (15) in which an element slides along a direction which is parallel to a longitudinal axis thereof, wherein it comprises a tool-bearing turret (100) for removably fixing a bead-trimmer tool (122), which turret is supported by means for translating the turret on command according to at least one vertical direction and at least one horizontal direction (c.4, l.53-60) which horizontal direction is transversal with respect to the longitudinal axis between an internal working position and an external tool-changing position ("moving alternate blades into and out of operative position for replacement of the cutting edge"), with a run which is sufficient to extract the turret from a working zone thereof.

3 DEPENDENT CLAIMS 2-8

The combination of the features of dependent claim 2 are neither known from, nor rendered obvious by, the available prior art. The reasons are as follows:

The available prior art does not mention an intermediate slide between a first slide and a second slide, wherein the intermediate slide is movable along the same direction as the second slide. The problem solved is to enable an independent and easy centering/positioning of the tool.

The solution to this problem proposed in claim 2 of the present application is considered to be novel (Article 33(2) PCT) and as involving an inventive step (Article 33(3) PCT).

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(SEPARATE SHEET)**

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Claims 3-8 as dependent on claim 2 (see Item VII), as such also meet the requirements of the PCT with respect to novelty and inventive step.

Re Item VII.

Claims 3, 5, 6 and 7 are referred back to claim 1. However these claims develop features ("first slide", "second slide", "intermediate slide") which are introduced in claim 2.

Claim 4 is referred back to claim 2. However claim 4 develops features ("wheels 6") which are introduced in claim 3.

Claim 8 is referred back to claim 6. However claim 8 develops features ("blocking and unblocking cylinder") which are introduced in claim 7.